

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Michael Willis Examiner #: 78312 Date: 6/27/02
 Art Unit: 1617 Phone Number 305-1679 Serial Number: 09/904511
 Mail Box and Bldg/Rm Location: CM1/2B19 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Novel Cationic Associative Polyurethanes and Their use as thickeners

Inventors (please provide full names): Nathalie Mougia, Francois Cottard, Roland de la Motte, Bertrand Lion

Earliest Priority Filing Date: 7/21/2000

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

The polymer $R-X-(P)_n-[L-(Y)_m]_r-L'-(P')_p-X'-R'$

$R, R' = H$ or hydrophobic group (i.e. $>C_7$?)

$X, X' =$ Nitrogen containing

$P, P' =$ nitrogen containing

$L, L' =$ $\text{SO}_3^{\text{Na}^+}$ or SNaO_3^-

$Y =$ hydrophilic

If the structure is too generic to allow a search, then
 Search the following terms: "cationic polyurethane", hydrophobic,
 hydrophobic, associative thickener, ~~graft~~ sizing.

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher:		NA Sequence (#)	STN
Searcher Phone #:	<u>305-4293</u>	AA Sequence (#)	Dialog
Searcher Location:	<u>CM 6A-3</u>	Structure (#)	Questel/Orbit
Date Searcher Picked Up:	<u>7/1</u>	Bibliographic	Dr. Link
Date Completed:	<u>7/1</u>	Litigation	Lexis/Nexis
Searcher Prep & Review Time:	<u>1:2</u>	Fulltext	Science Server
Clerical Prep Time:		Patent Family	WWW/Internet
Online Time:	<u>4:4</u>	Other	Other (specify)

BEST AVAILABLE COPY